

Fig. 1

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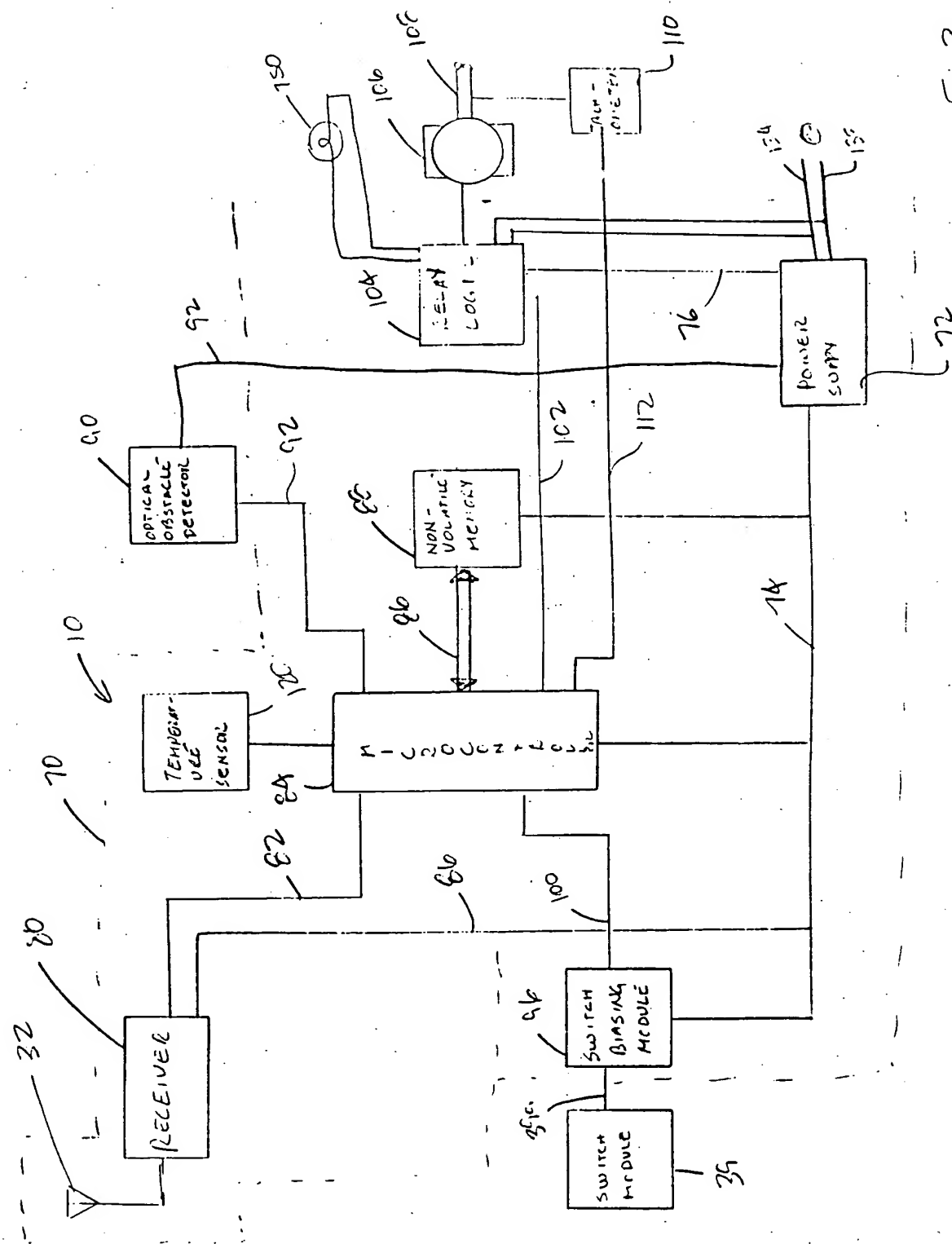
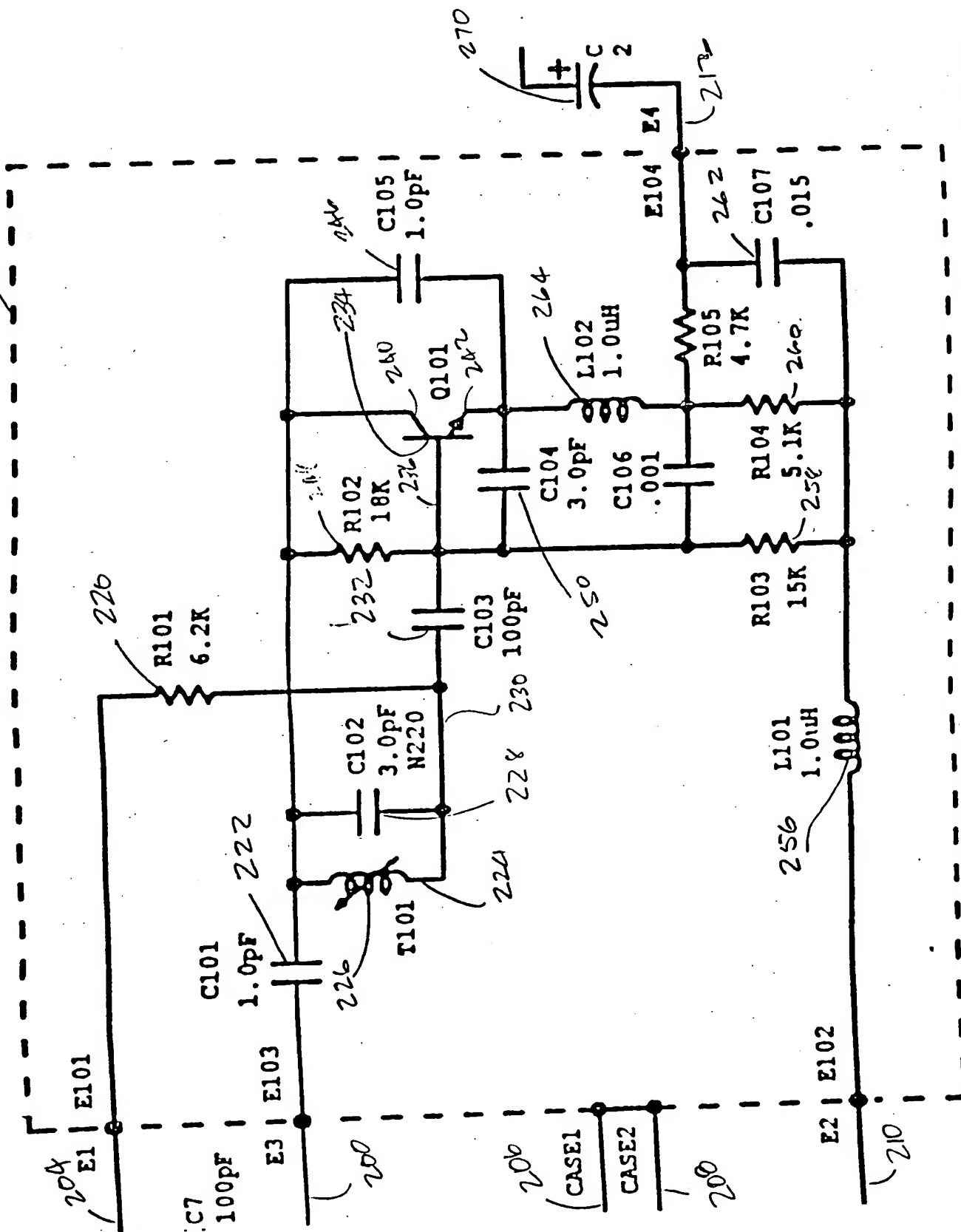


Fig. 2





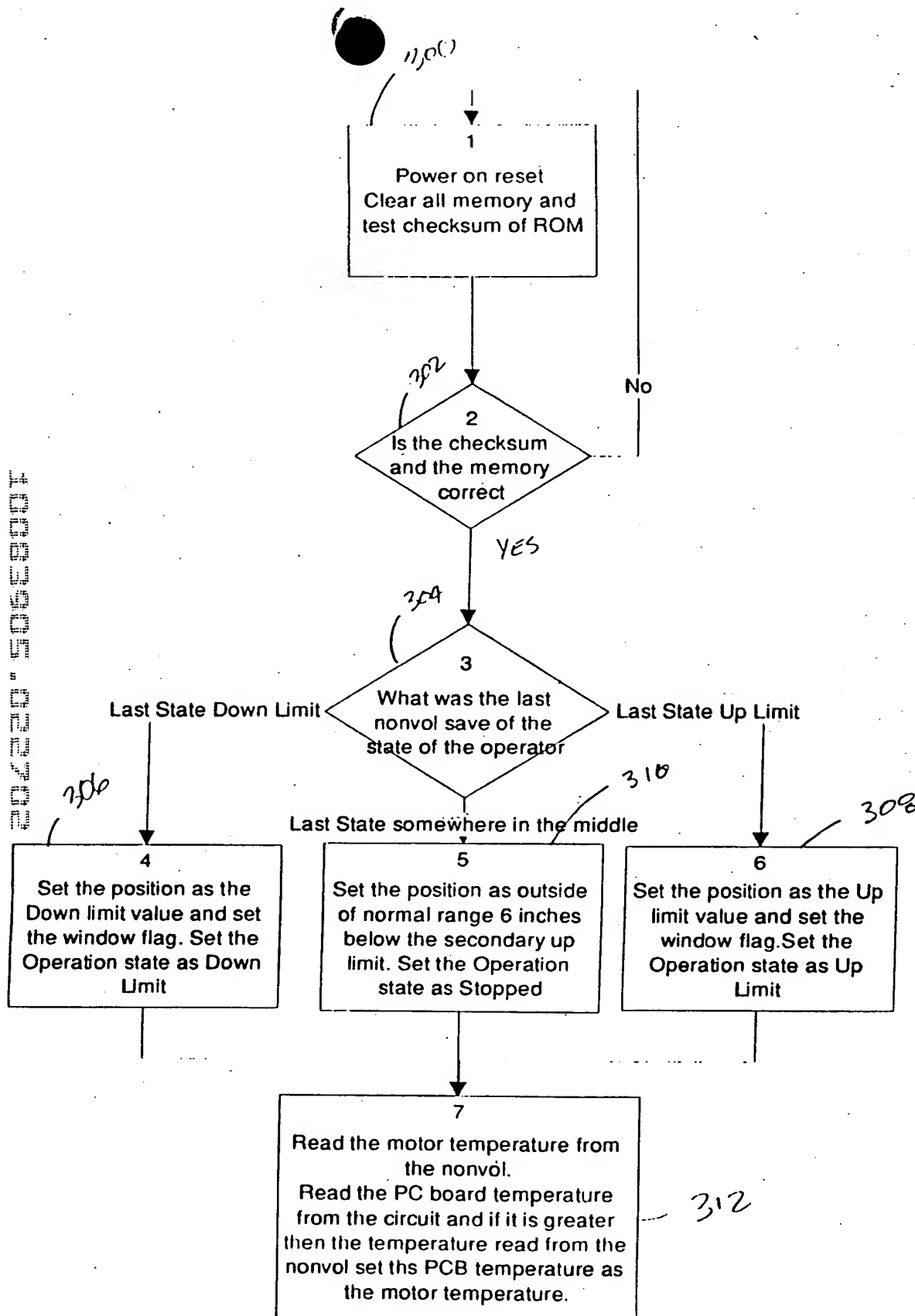
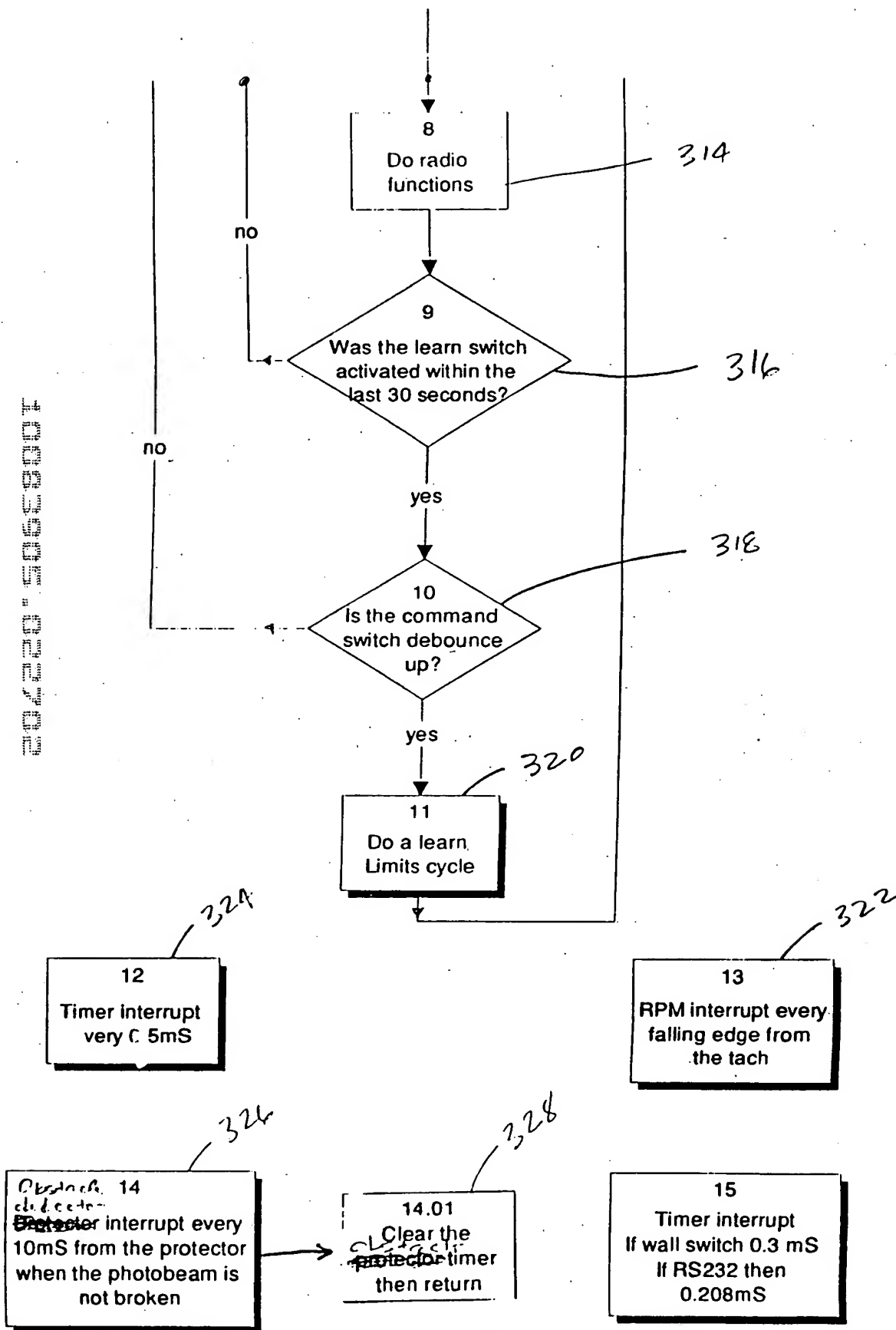


Fig. 5A

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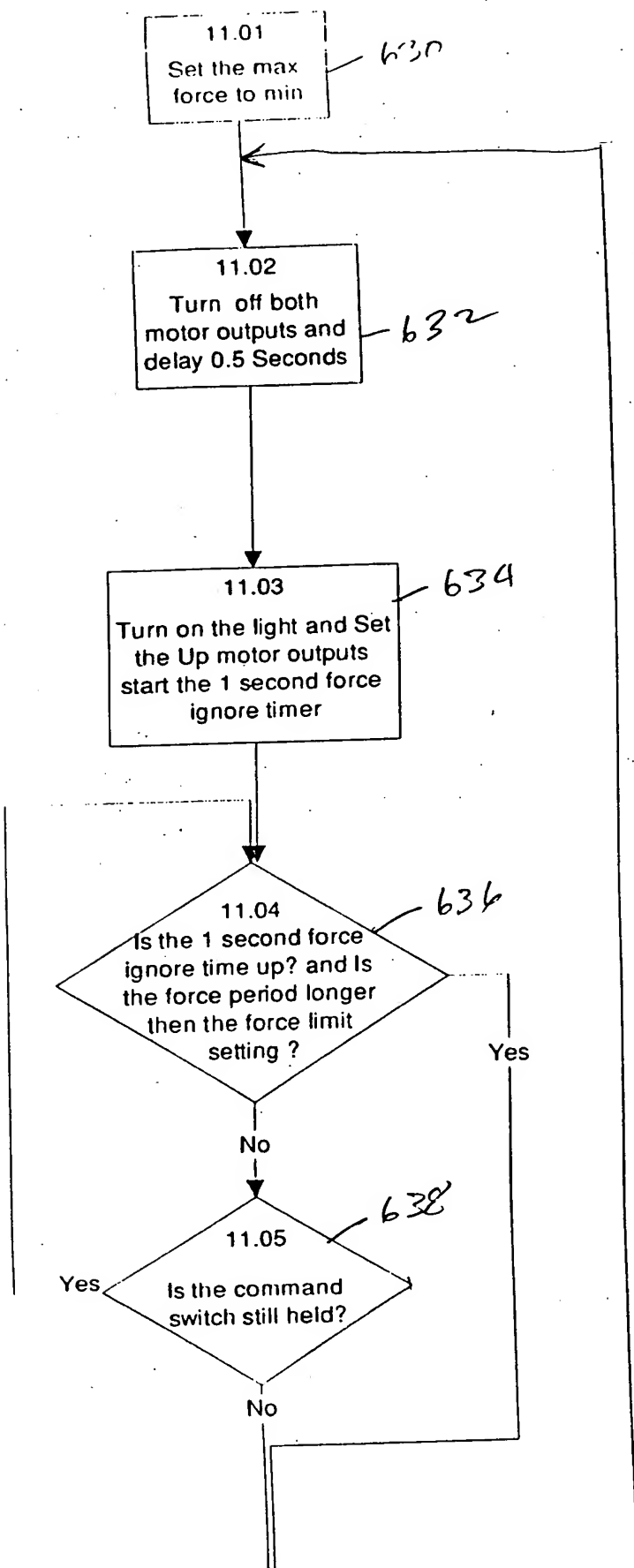


Fig. 6A

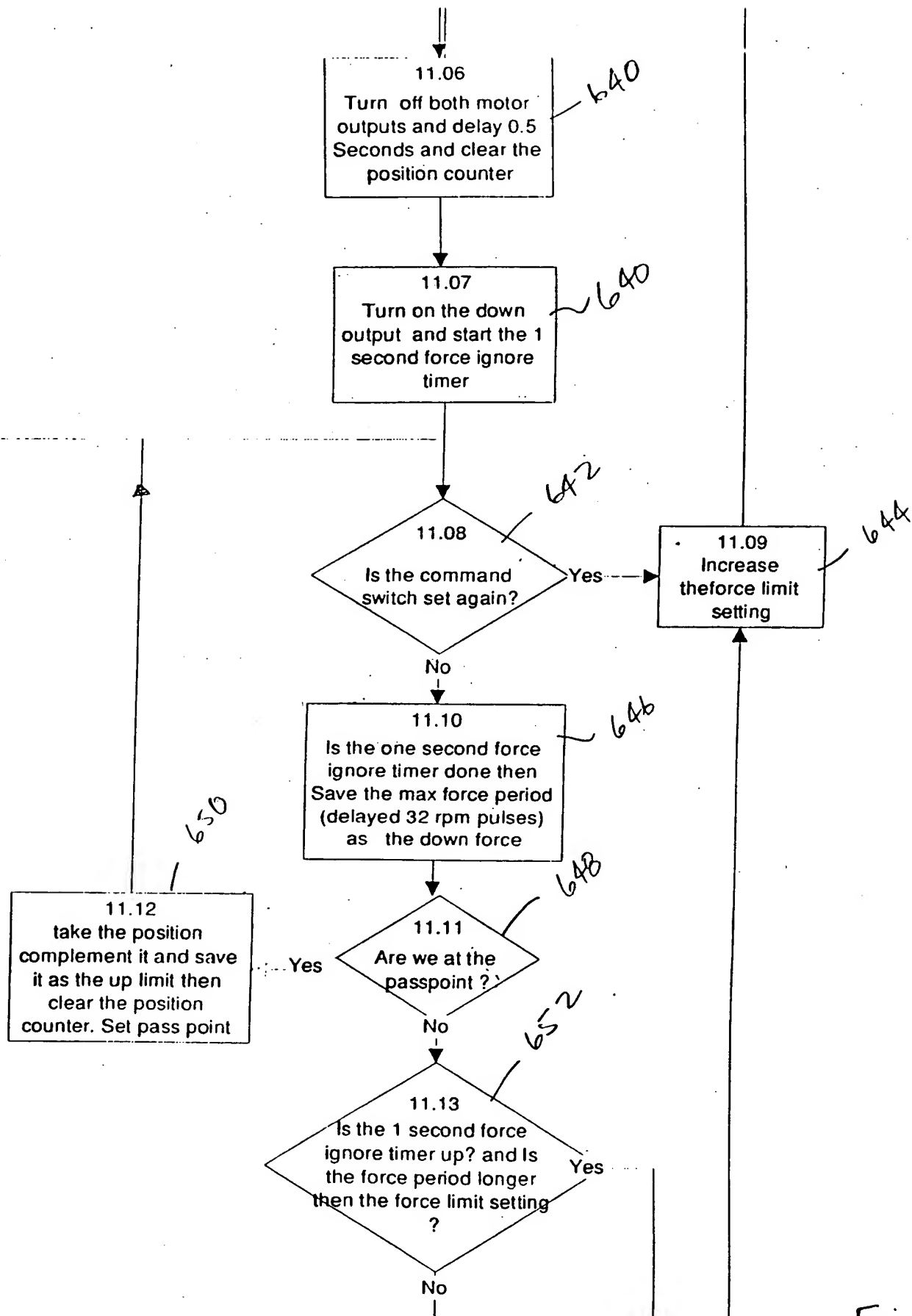


Fig. 6B



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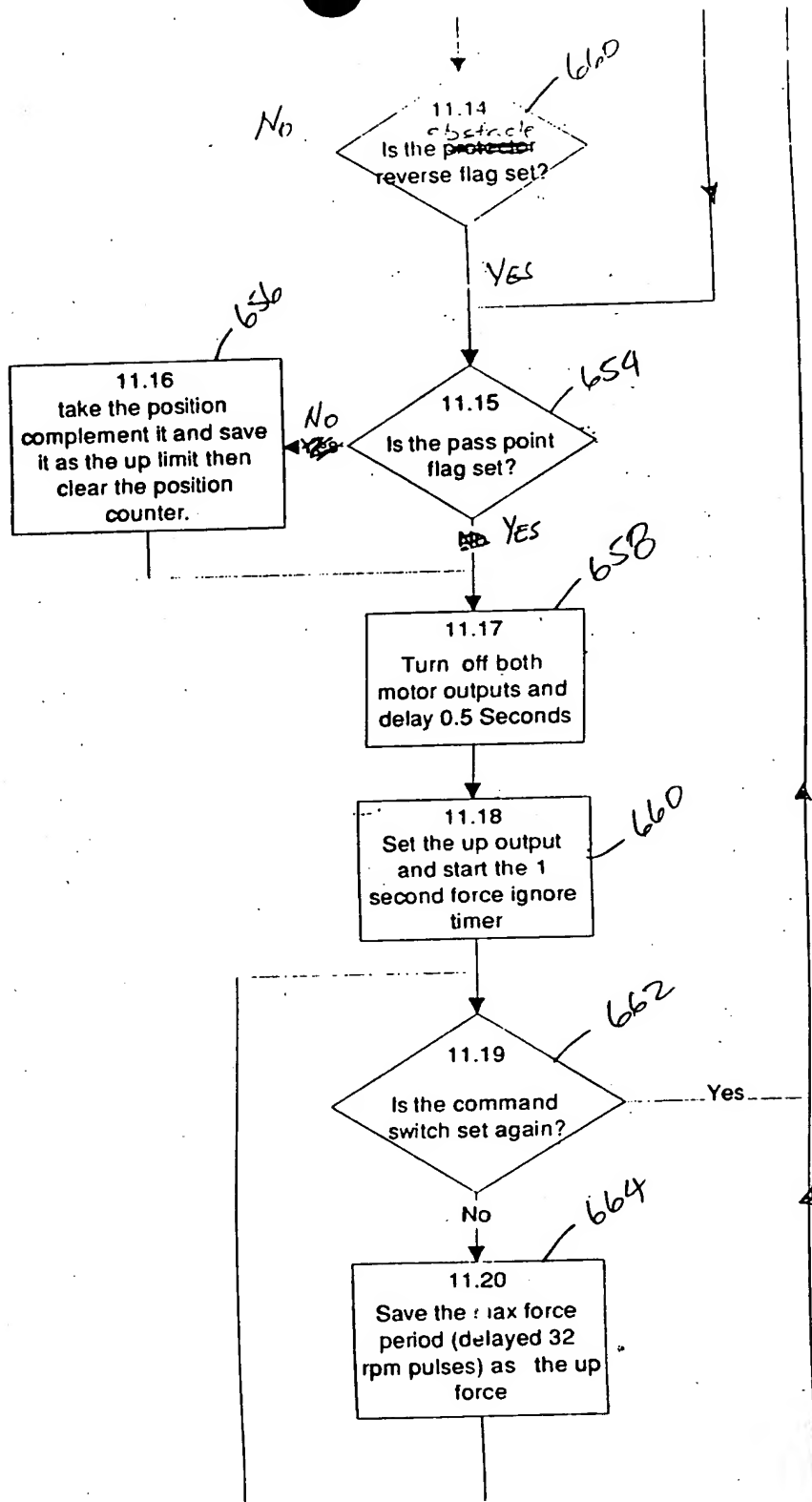


Fig. 6c

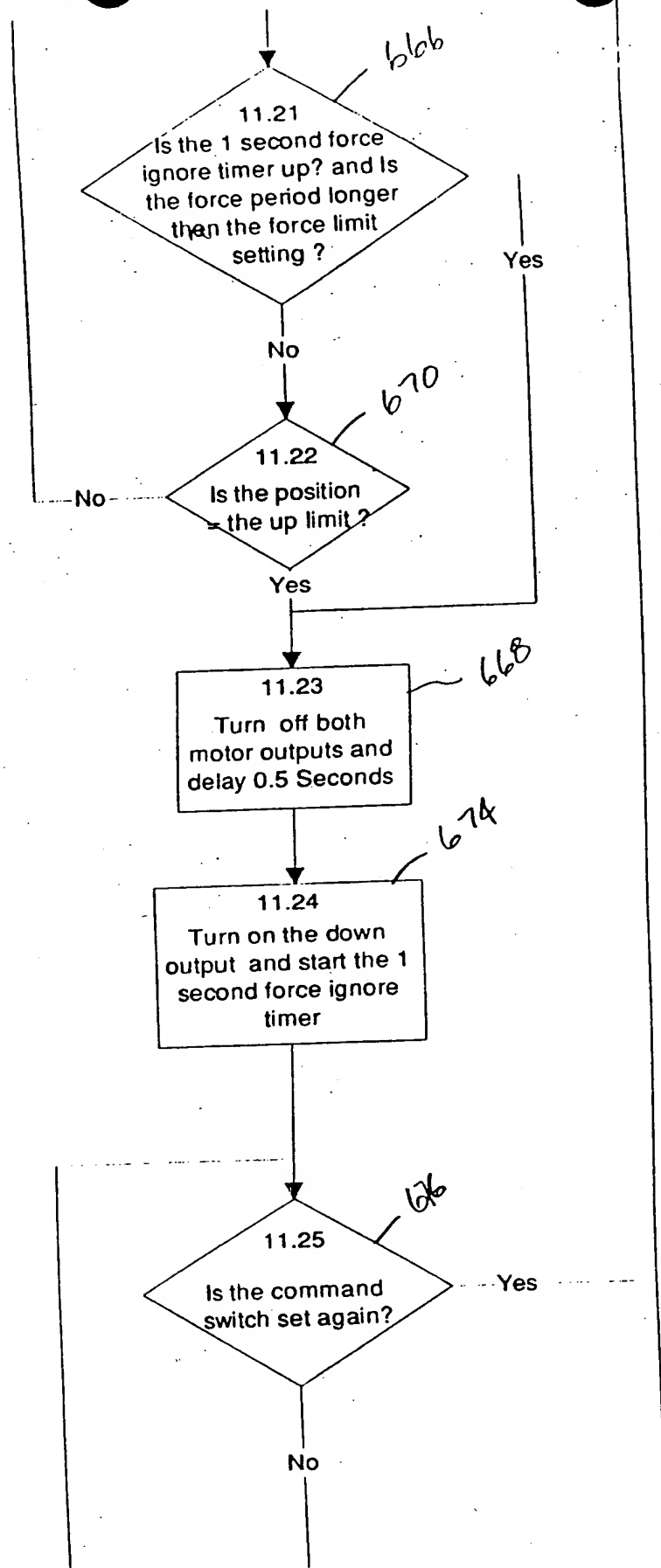


Fig. 6D

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graph TD
    Start(( )) --> 11.26[11.26  
If the position counter is at a  
sectional barrier and the one  
second force ignore timer is up.  
Save the max force (delayed 32  
rpm pulses) from start of the  
barrier into the down force array]
    11.26 --> 11.27{11.27  
Is the processor obstacle  
reverse flag set?}
    11.27 -- Yes --> 11.28{11.28  
Is the 1 second force  
ignore timer up? and Is  
the force period longer  
then the force limit  
setting ?}
    11.27 -- No --> 11.28
    11.28 -- No --> 11.26
    11.28 -- Yes --> 11.29{11.29  
Is the pass point  
flag set?}
    11.29 -- No --> 11.26
    11.29 -- Yes --> 11.30[11.30  
Save the position  
as the down limit  
position]
    11.30 --> End(( ))
  
```

بسم الله الرحمن الرحيم



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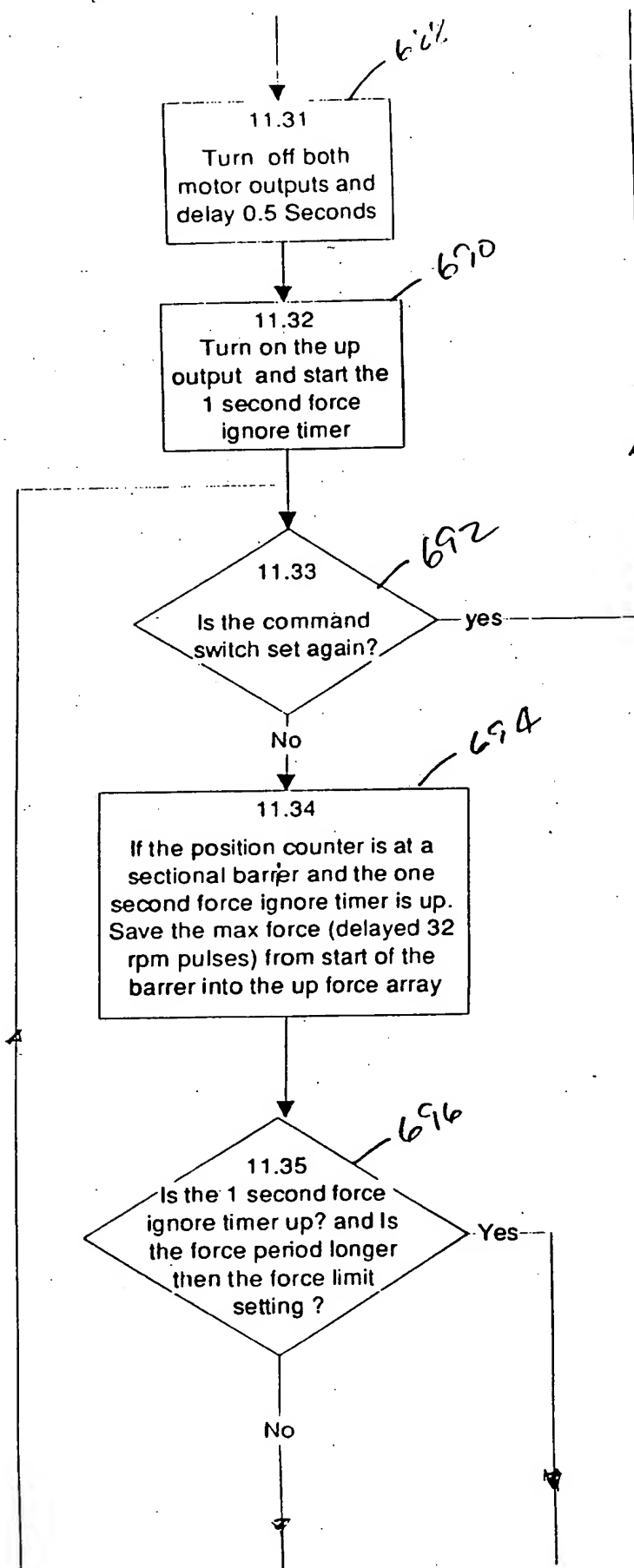


Fig. 6F

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graph TD
    Entry(( )) --> D{11.36  
Is the position =  
the up limit  
position ?}
    D -- No --> Exit1(( ))
    D -- Yes --> P[11.37  
Turn off the motor  
outputs. Store all data  
into the nonvol  
memory and return]
    P --> Exit2(( ))
  
```

Flowchart 697: Is the position = the up limit position?

11.36 Is the position = the up limit position ?

No

Yes

11.37 Turn off the motor outputs. Store all data into the nonvol memory and return

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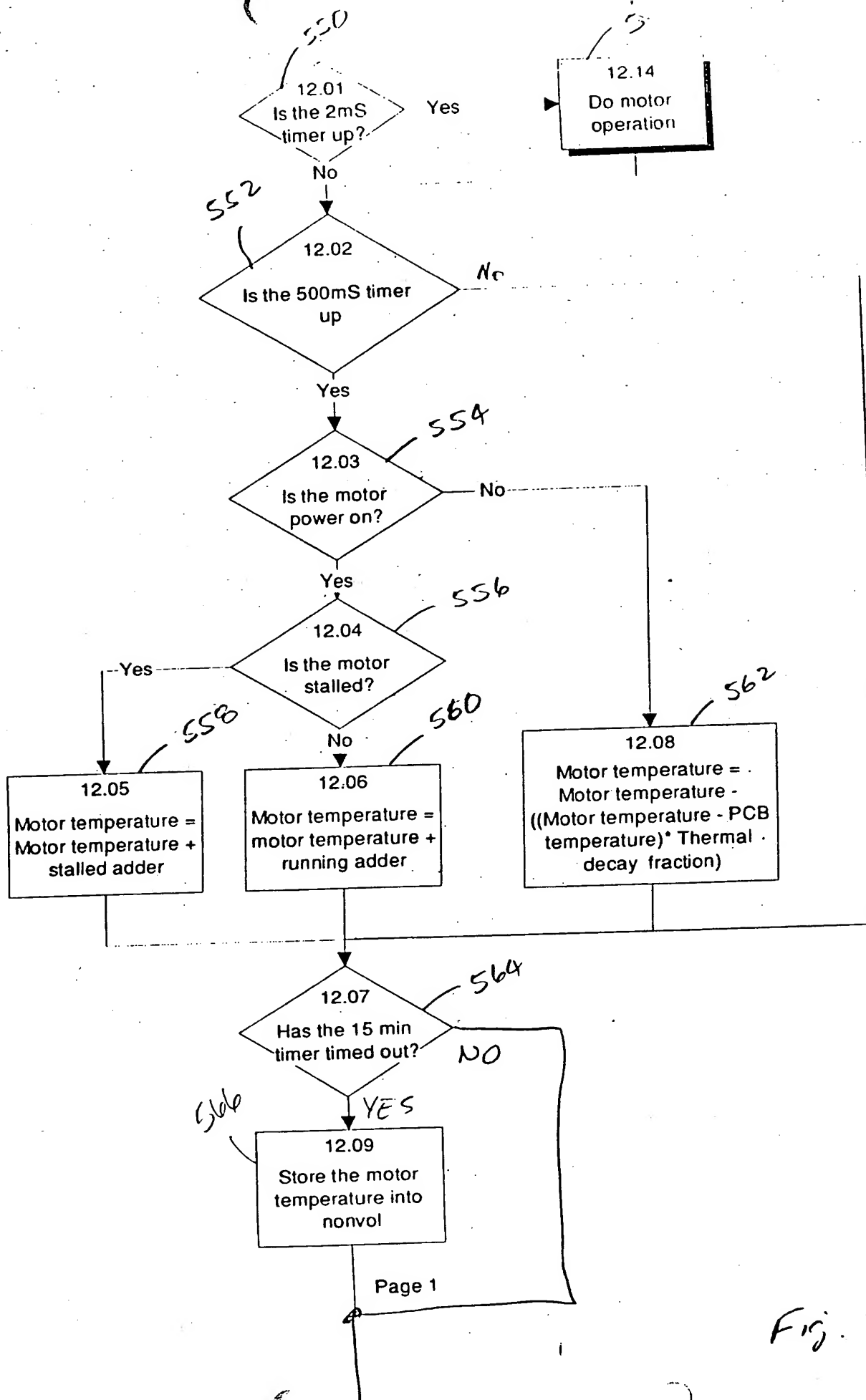
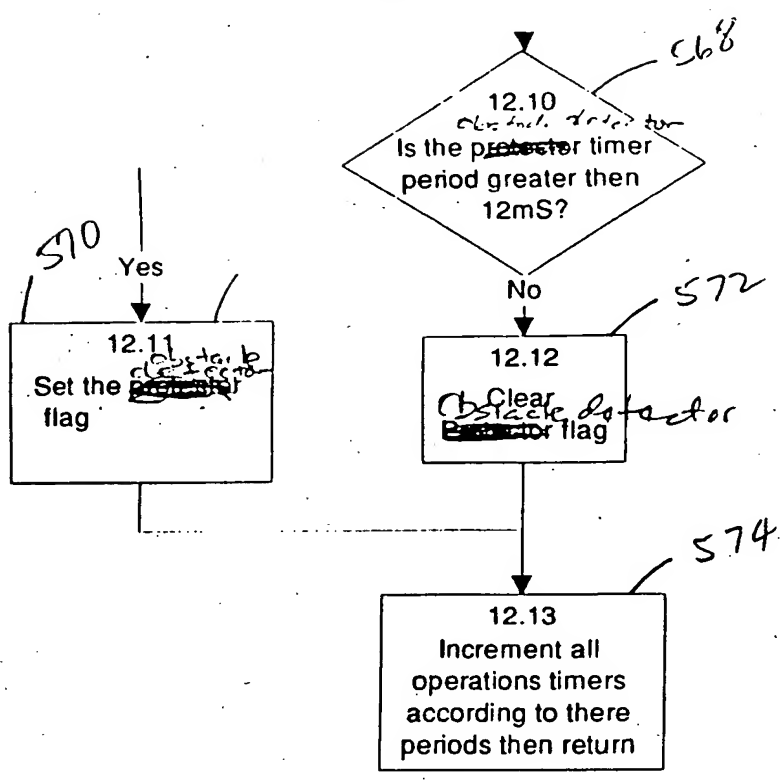


Fig. 7A

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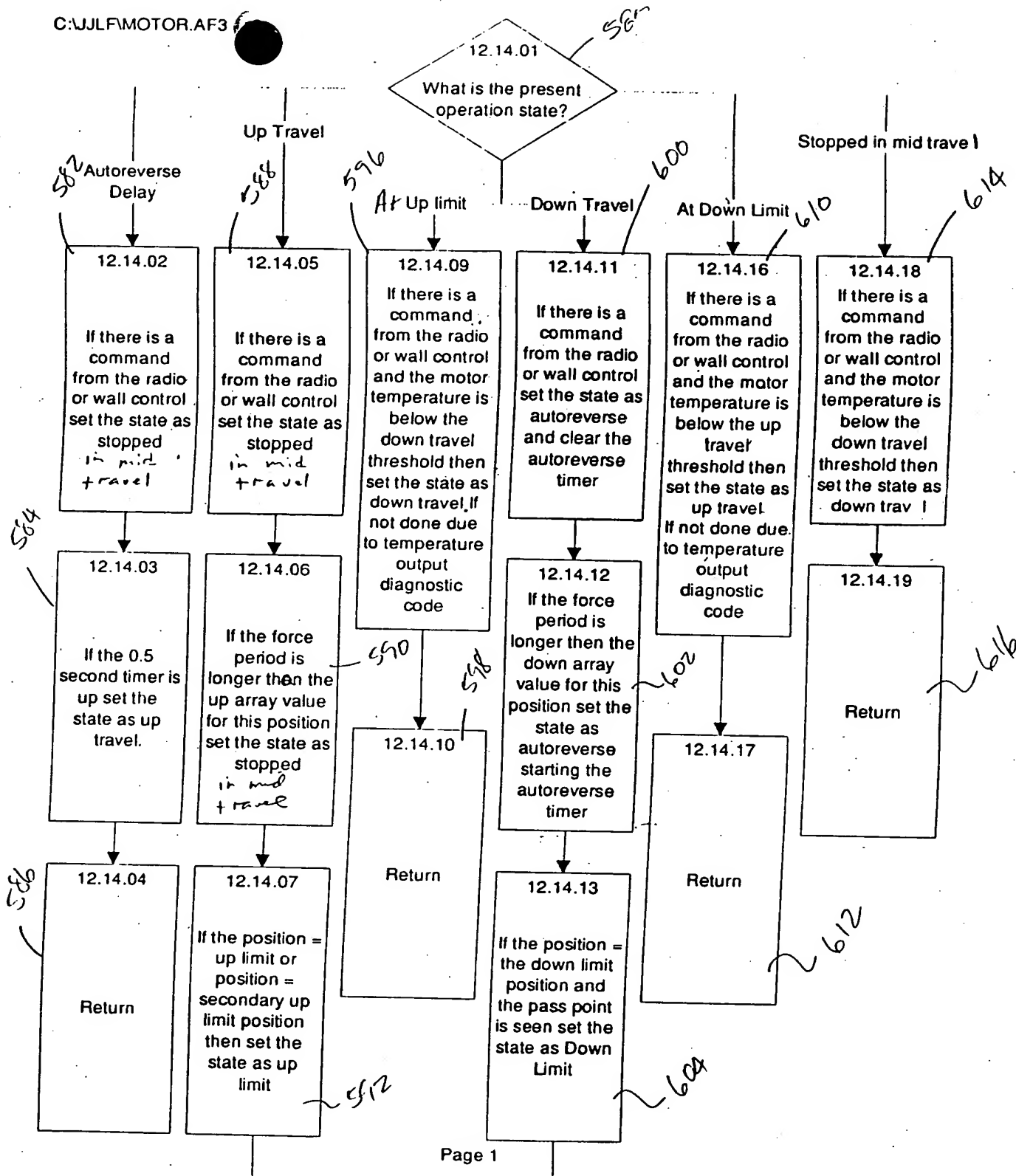
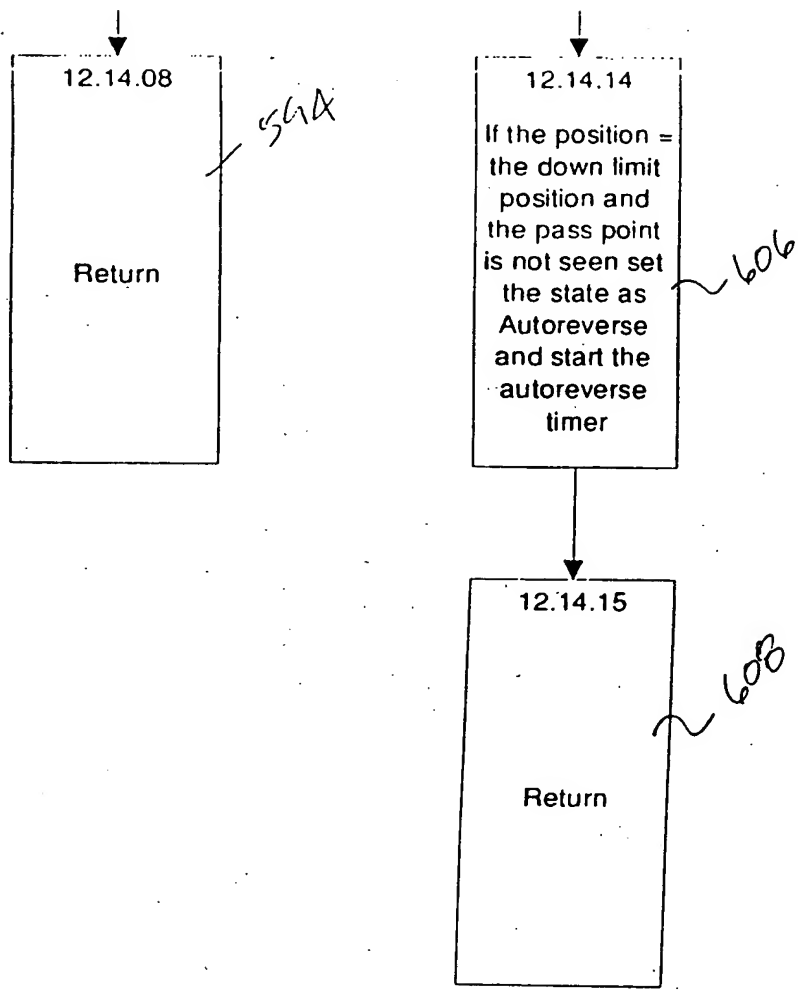
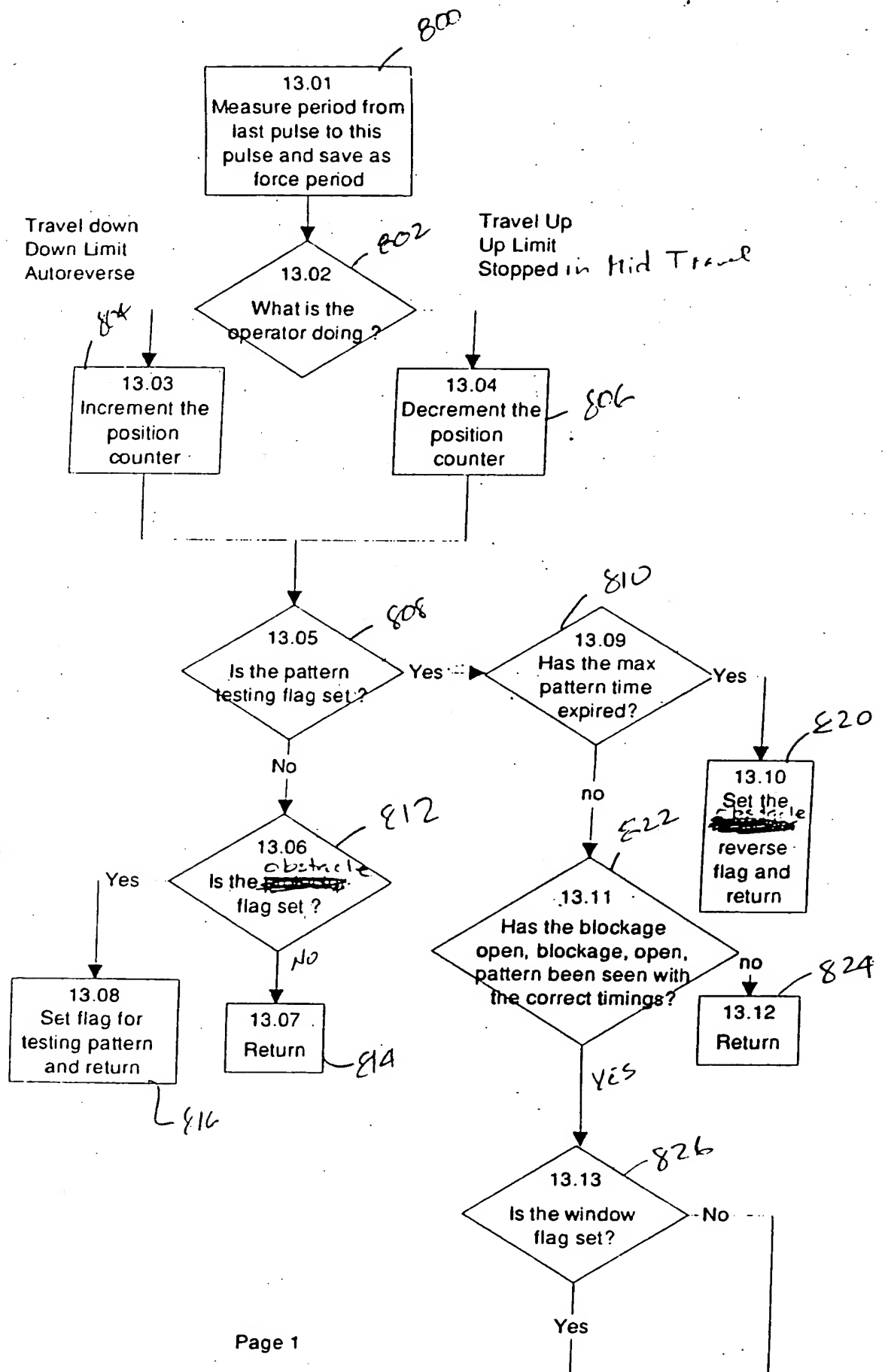


Fig. EA

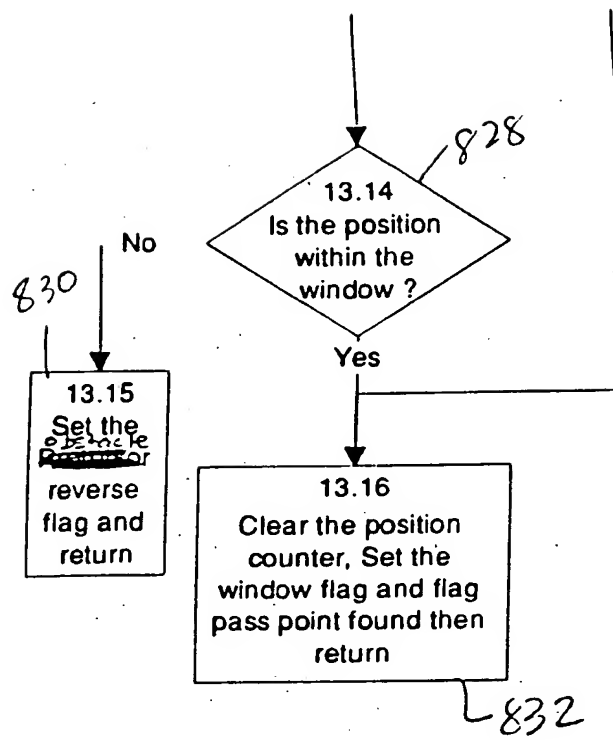


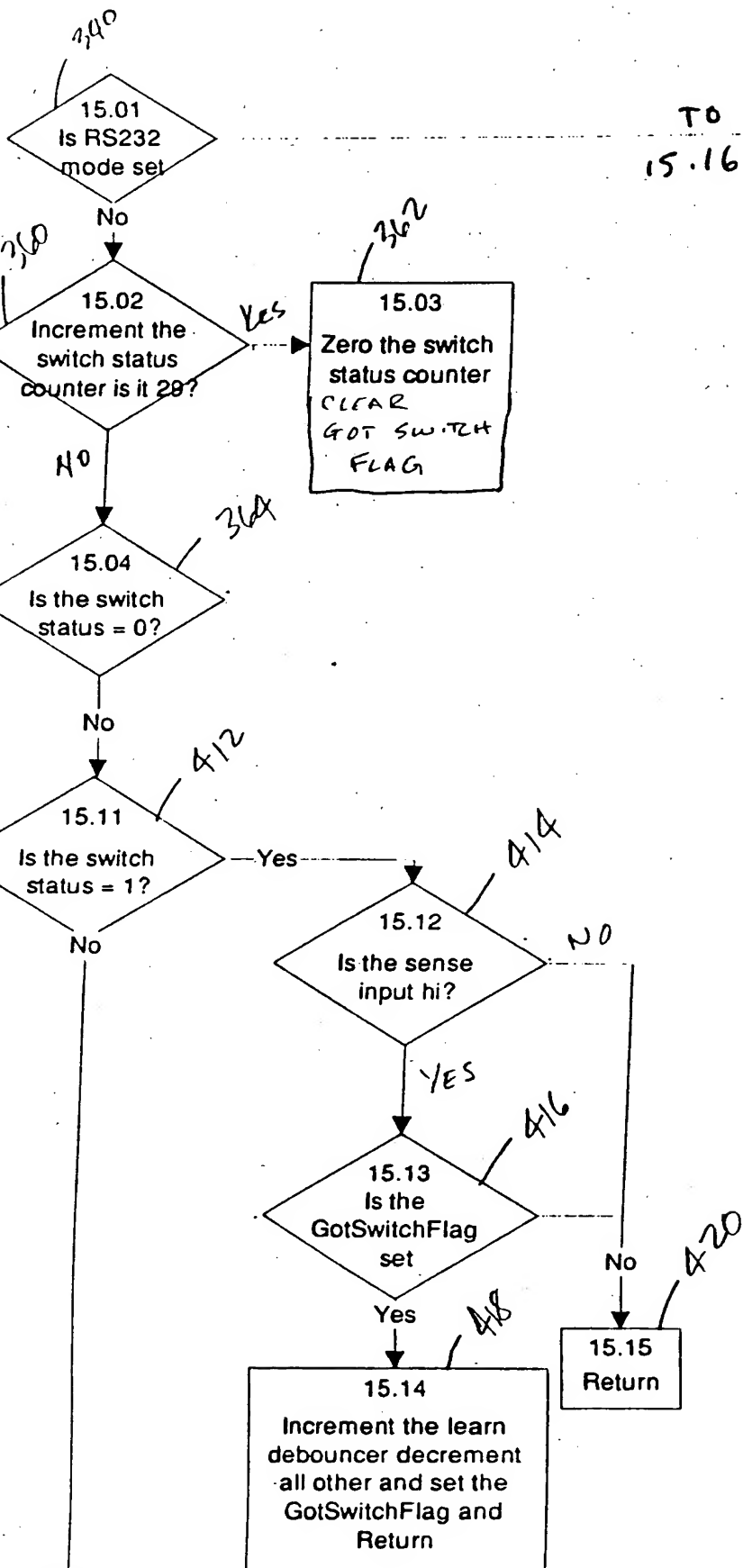
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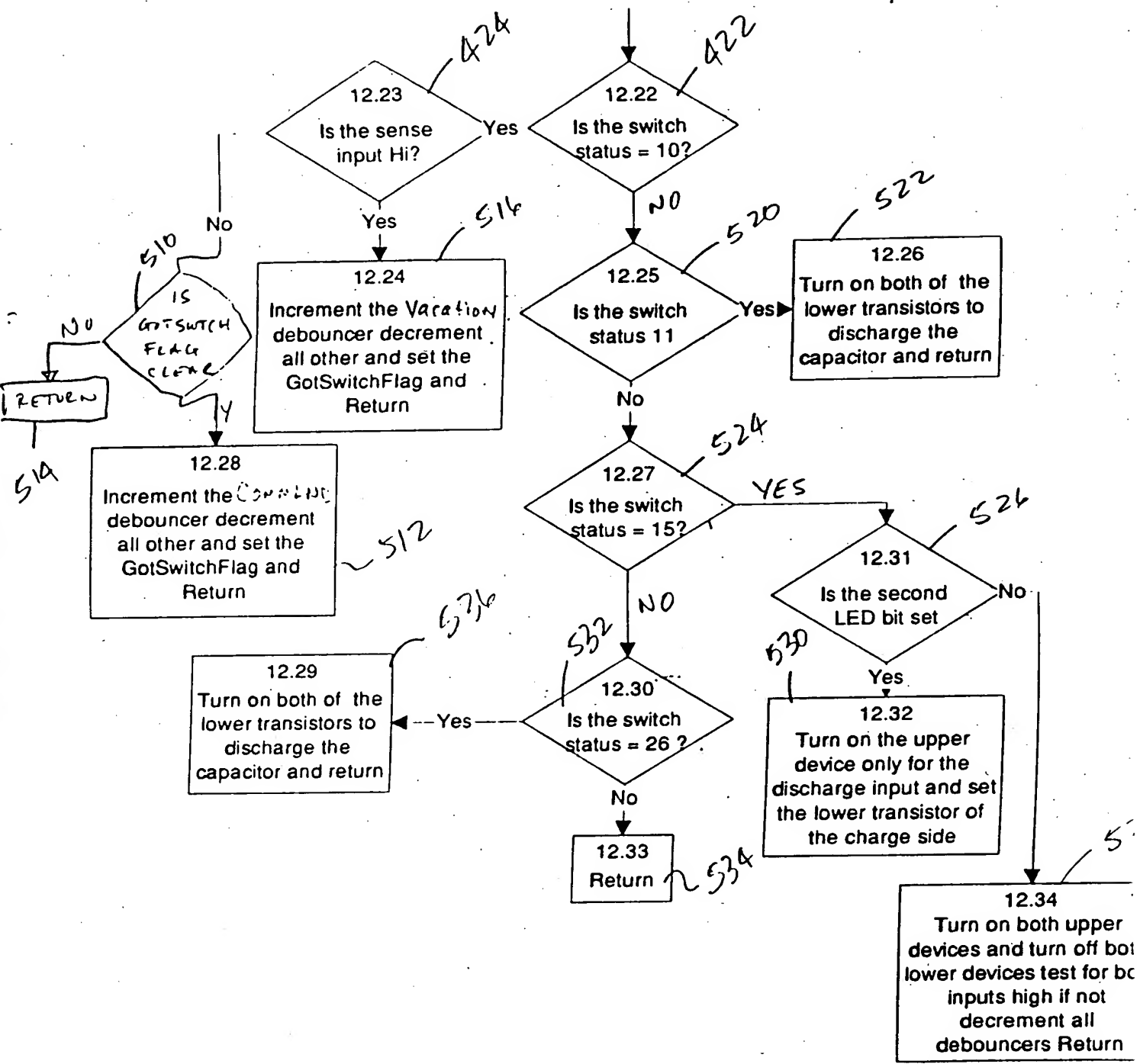
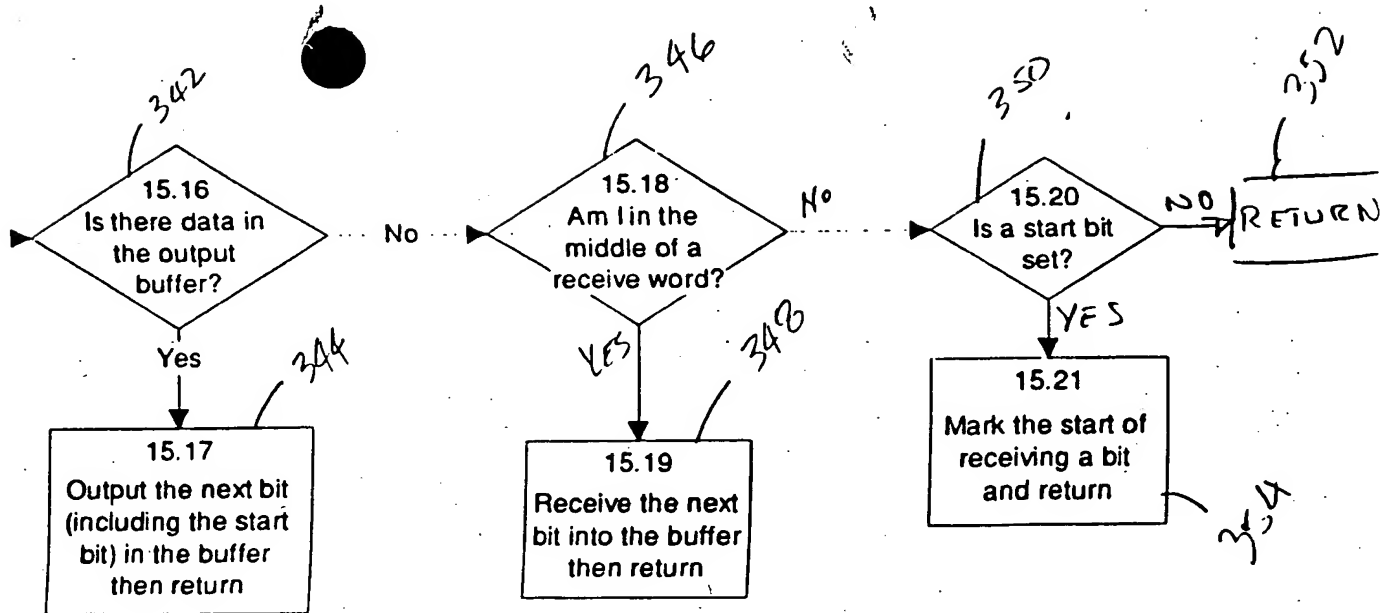


Fig. 10

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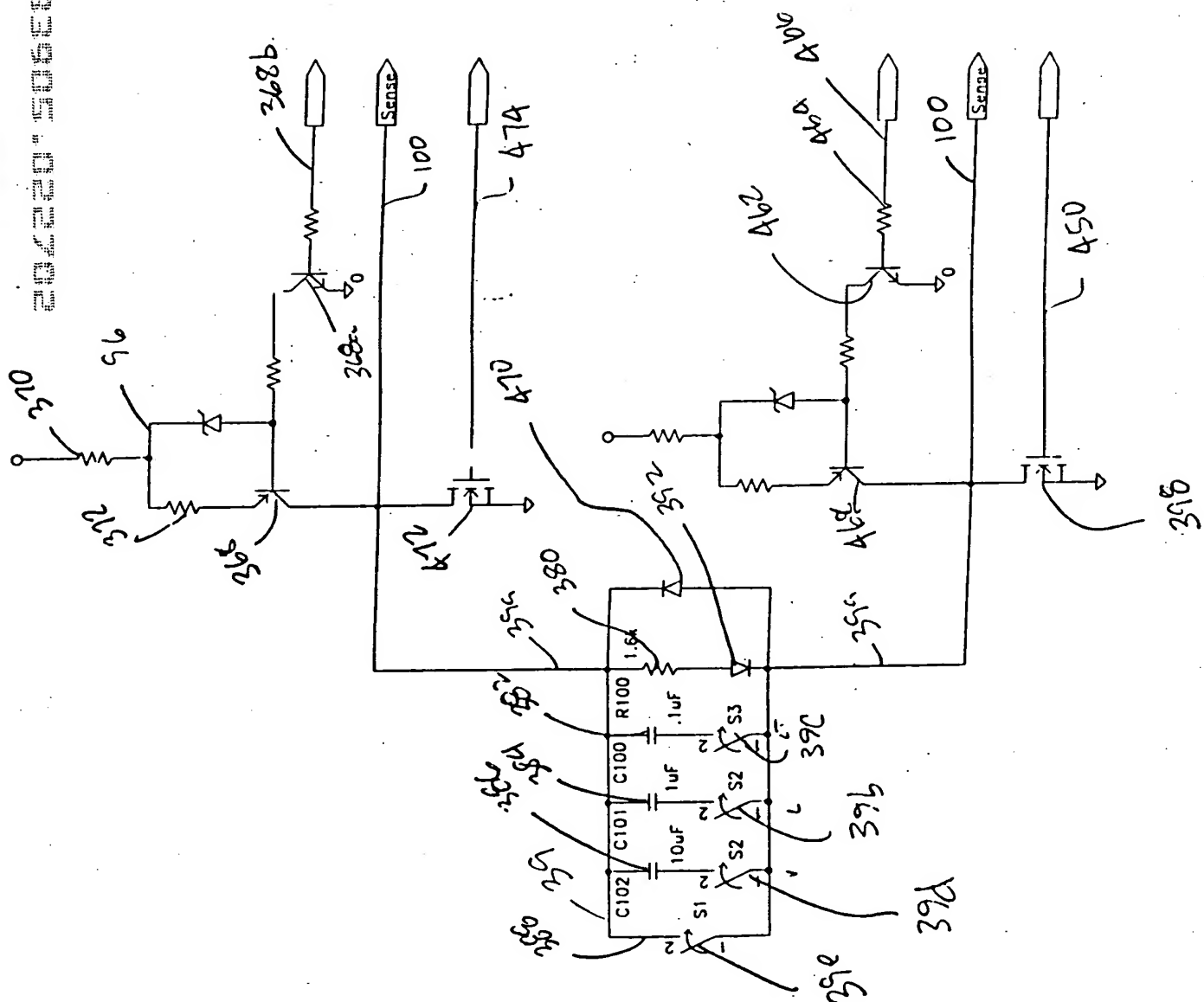


Fig. 11